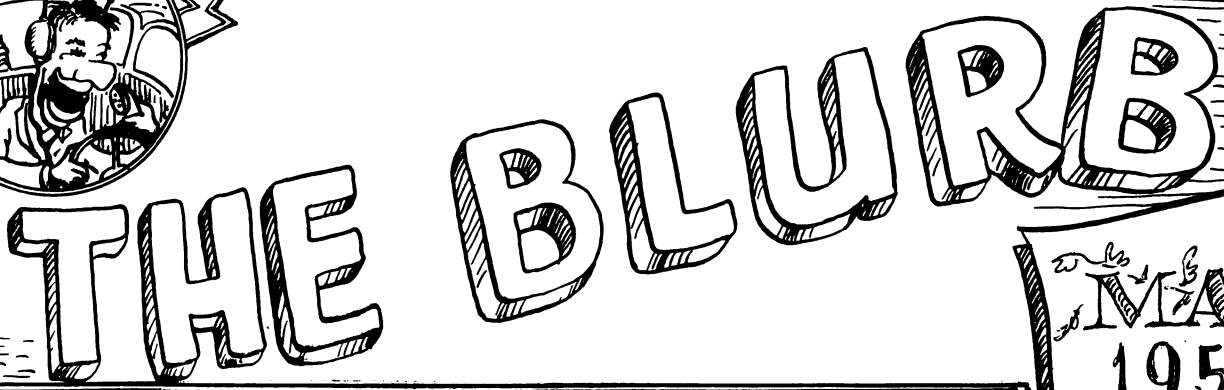




T H E

from the president.

B L U R B

Published Monthly by the
Phil-Mont Mobile Radio Club

"IN THE SPRING A YOUNG HAM'S FANCY TURN
TO THOUGHTS OF ANTENNAS" (Saying goes
something like thant, doesn't it?)

VOL 7 May 1958 NO 5

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The "Blurb" is published by and for the members of Phil-Mont to further the interest of Amateur Radio in general and Mobile Radio in Particular. We endeavor to keep news accurate, interesting, and in a small way, educational. Any deviation from this is unintentional. Copying and quoting is permitted, provided credit line is included. Commercial use is not permitted and subscriptions are gladly exchanged with other Amateur Radio Clubs.

DEADLINES

Material for the BLURB for W3PXY, and items for the SWAP SHEET for W3WUX must be received by the 15th. The BLURB is mailed the last Thursday of the month.

CLUB OFFICERS FOR 1958

PRES. Charles A. Gilbert

W3YJM

V. PRES. George W. Y. King

W3PXY

SCTY. John Muroff

W3SAI

TREAS. Robert M. Lachman

W3OEC

MEETINGS

First Monday of the month at TOWN HALL
Germantown Ave & Haines St Phila. @ 2000

NETS & NET FREQUENCIES

Ch 1 - 29493 Fcs. Ch 3 - 27000 Fcs.
Ch 2 - 29626 Kcs. Ch 4 - 50.7 Mcs.
Scrambled-Egg Net, Weekdays, 0730-0830
Ten on Ten Net, Sundays, 1000-1100
Blarney Sessions, Anytime, Ch 1 or 2
29493 Fcs. is monitored daily 0830-2400
for the benefit of mobiles in Phila area.

Less than a month ago, one of the worst snowstorms in history claimed antennas by the dozens, or by the hundreds. I suppose if all of the casualties were known. But like life itself, they come and they go. Where the old antennas fell under the weight of the heavy snow, new ones are being put up in the spring sunshine less than a month later. In spite of all the sadness over lost antennas that week of March 19th, there was a lot of good riddance (at least I know one XYL who thinks so). And now that the sun is shining again and the temperature permits roaming around on the roof, everyone seems to be putting up new radiators or at least can be heard talking about it. The effects of the storm and the subsequent recoveries were quite noticeable on 29.493Mc. For a short time following the storm, the Ultra Violet Light could scarcely be heard in Havertown, let alone Trevoze, and then the J emerged. Even the OM on the hill in Reslyn was on his hands and knees for awhile, but before long the old signal returned. And where once stood the prettiest bird cage you ever saw, now there stands erect and 10 feet higher, one of the famous Philmont coaxial antennas making possible a signal that can be heard from Drexel Hill to Philmont's outermost ground wave receiving location - station W3IGW, Pottstown. But the antenna creation to end all creations is about to take shape on a roof in Broomall. If you haven't heard about this one, you just haven't been listening on the Frequency.

So, storms may come and antennas may go, but of this you can be sure; it won't be long till you'll hear them again on twenty-nine four ninety four. (Sorry, but I had to move a kc to try to make it rhyme).

73, de prexy

THE LATEST SCOOP:

This Ed is sure indebted to WJUNK, Dick, for doing such a nice job of putting the Blurb together last month. We were in a bit of a bind which promises to get worse before it gets better. Dick did such a nice job of presenting the story about the film, that in conjunction with our legle beagle WJAWH the proposal to distribute the film far and wide was carried by unannymouse vote. It is impossible to sell the public relations facet of amateur radio too much. Especially in view of the continuing pressure by commercial and other groups to get our frequencies. This is well under way as you probably know. There will be the day when we will have our backs to the wall on the problem when a bit of effort spent in selling the public will pay off.. This is already forcefully brought home by the following:

Official Bulletin NR 649 from ARRL Headquarters

West Hartford Conn April 10 1958 to all Radio Amateurs BT

Further expansion of the Loran navigation service which has absolute priority in 1800-2000 Kilocycles now requires reduction of amateur sharing privileges.

Effective midnight EST May ten, band segments 1875 to 1900

and 1900 to 1925 kc are withdrawn from amateur use. Thereafter

only band segments 1800 to 1825 and 1975 to 2000 kc may be used

by amateurs under present geographical and power restrictions AR

You can see what we have to say in the matter - suddenly we just don't have it and then what will you do about it - nothing. If the small and petty noise on the air was put to some good use what difference it would be. It behooves all of us to get off our duff and push- promote - sell the value of amateur radio to our country. The next time the CD wants you to do a job - dispense with the noise and get out there and help.... Last month Andy printed the long winded story about the Wash..snow bound trip - that must have been boring reading to that crowd. If Ed had known it was likely for a reprint we would have written a good one. This rag has been picking WJNL's brains for so long we think he was just getting back at us. When we put out the call for a electric typer, Andy, bless his hide had one for ED in about 3 weeks at a very reasonable rate. For all the fancy typer you would think the stuff coming out of it would be so much better but there seems to be no change - the same ole line of baloney. This typer has repeat_____ and..... and all we have to do is to sit to long on one of them and.... it goes on forever. ED has to quite typing with his left foot....WJSAI's little ditty printed last month about the clever young fellow named NED.-made CQ News which is distributed to all the ham club editors who signed up. Tis lucky we get the news because ole Wayne got tired of CQ to ED free. Guess we didn't make enuf noise baout it - any how the News that is put out by MARV Lipton helps to fill in the gaps. If we can twist WJUNK's arm a bit maybe we could get him to write a half page article on FMRC activities which could be printed for nation wide circulation to all Paper Editors....We received a note from one of the viewers of Every Single Minute which is typical of the response we have been having:

Dear George:

Thank you very much for the loan of the film "Every Single Minute", which was shown to the members of the Rockaway Valley Radio Club on the evening of April 7th. The favorable response to the showing was so great that we found it necessary to repeat the showing during the lunch hour on April 8th for the benefit of members of the club who were unable to attend the meeting and for interested members of the engineering staff of Aircraft Radio Corporation.

Although of interest to all, we believe it was especially effective in stimulating the imaginations of thpse members of the club who are now studying up for their license exams.

Vy 73's

A. Lyle Cleland K2ADS

Activities Manager

Rockaway Valley Radio Club Inc.

East Orange, N.J.

We notice that most clubs tht write in have the "Incorporated" after the name. It is not without considerable thought that this is done. The latest transactions in the club again brought up the question..In Feb. 1957 we worked out the preliminary details which are available to anyone that wants to see them - Each time the question come s up the 99 Philadelphia Lawyers in the club have considerable "legal" opinions to offer - we suggest you kick it around with W3AWH.....We received a letter from the Convention Housing Bureau in Washington which requires that we submit actual name when the rooms are reserved. They will not reserve in a name of an organization. So we will hold open the reservations to the next meeting and get all those on board who will be present.....W3VXN gave a nice talk at the last meeting on Stereo sound with a lashup that he made. Nobody could figure out how the electrons could get thru some of the "cold twist" connections but the results were proof positive - as W3QQH says - when you hear the Stereo on at 10:30 every nit with an FM and anordinary AC DC radio - you swear that you hear 20 kc to 20 cycles out of the AC DC..It is quite apparent the ear is as apable of getting as easily fooled with sound as the eye is with color. It is quite apparent the need of EPD is pnyly illusionary.. EPD is a new tupe of H1 F1 - it means Exceedingly Pleasant Distortion. W3FIL AM and FM is on every nite with Stereo and it is really fine. There will be the day when all radio will be done that way. Listen in and see if you do not agree.....Said one unsigned card "I Think there is a lot of high class engineering talent in the club. In preparation for the coming summer activities, I think a good project would be a transistorized 10 meter handie-talkie. Such a gadget would be very handy for Field Day, parades, transmitter hunts, C.D. etc. Perhaps a number of them could be mass produced and sold to club memberswith a small profit going to ther club on each one sold. How about bringing it up to the group at the next meeting.....A local comment - looks as tho Prexy is right about the "Blurb". Did anyone see page 54 of March QST - it would take a Philmonter to find Blurb in that article da W3ZPP.....Says Dick W3DMK - Armed Force Day will be Sat. May 17, but some observations will be scheduled May 10 and 18. A second thought on last months Blurb - its quite obvious Dick is one talent this rag has been overlooking - we are going to have to do something about that. May 10 reminds us that Springfield will have one of those CD drills we mentioned where volunteers are needed for participation...We will have the truck out on display for the city fathers. Please check with W3PXY or W3CCB for the operating plan. We need manpower for two fixed 2 meters stations and the truck..Also mobile support for two other locations in the township on ten.....Another one bit the duhst - Bob Riegel now K*IMQ sez any amateur in the vicinity of Columbus, Ohio, on May 4, 1958 Sunday is invited to the wedding of Miriam E. Smith and former W3QXP at 2:30 PM. Bob says he hopes to be heard in May. Boy us oldies have news for that newly wed he.....W3LHJ writes that the possibilities of getting on the air from Vietnam are pretty slim. His new address is:Major Melvin R. Jones 01548233, o/o F.P.O. Eng. Box 28, Navy 150, San Francisco, California.....The boys had a nice gab fest at the Newtimers Nite - Alpine Inn the other nite. It was our regular midmonth meeting date but Prexy allowed only monkey shines. W3CUB wasn't going to come; if there was any business & Windy Grandpa Bill showed up bless his hidd. Del must have kicked him out.

"S S B S"

SINGLE-SIDEBAND, SIMPLIFIED

by

W3VVS

Modulation methods employed for communications purposes in the present state of the art are namely, amplitude modulation (AM), frequency modulation (FM), phase modulation (PM), pulse-time modulation (PTM), and single-sideband modulation (SSB), Single sideband modulation is actually a modified form of amplitude modulation, and may be said to have "suppressed carrier" (SSBSC), or "reduced carrier" (SSBRC). These terms may be at first confusing, for example; "SPBSQS", which actually has nothing to do with sidebands, but rather stands for Society for Preservation of Barber Shop Quartet Singing.

Single-sideband transmission may be summed up by saying that if you take a cw carrier and modulate it with intelligence, take away all the carrier (SSBSC) or at least part of it (SSBRC), and take away one set of sidebands, then what is left over is single-sideband transmission. In early days of radio, with poor power-supply regulation and an excess of electrolyte in Mason jars, single-sideband continuous-wave (SSCW) transmissions were rather common. Needless to say, a great deal of the spectrum was totally wasted due to the lack of intelligence.

Today, single-sideband transmissions offer a great deal to those who possess an over-abundance of intelligence, because it gives them an opportunity to place it somewhere in the spectrum, either higher than the non-existent carrier, or lower, whichever the case may be.

From the numerous experiments performed by Br. Dee LeSylvia, it has become apparent that the general practice of employing push-pull power amplifiers in transmitters is no longer necessary, and in single-sideband practice the single-ended power amplifier generally finds a home. No longer will the push-pull amplifier attenuate second harmonic radiation as we enter upon a new era of single-ended, linear (?) harmonic generators which create sum and difference frequencies much more complex than hitherto dreamed possible. Color television set viewers haven't really lived until they have observed the many textures and hues produced by single-sideband amateur transmissions.

The present superhetrodyne receiver is also in for many technical changes. The old diode detector has departed with Bhatt Butler, and is being replaced by the more advanced infinite-impedance detector, or by the product cathode-follower-mixer beat-frequency-injector detector. In this latter type of detector, no output is realized unless the presence of an injection frequency is beat against a batch of spurious sidebands. From all of this intelligence is derived? The candle is burning at both ends as the detector is sharpened and the pass-band of the receiver is flat-topped and narrowed to the point of limited audio response. Truly, hi-fi does not belong to this technical era of single-sideband transmissions.

To sum up, it may be stated that the V-8 with overhead valves, downdraft four-barreled (with hoops) carburetor, super-pressure fuel pump, etc, is here to stay, and the home built regenerative receiver must be replaced with a time-payment receiver of decreased band width and mechanical filters in order to enjoy the arm-chair copy so consistent with single sideband.

See you at the stake on field day (FD)! de W3VVS

.....
Isn't often we get a nice contribution like that to the Blurb so nicely done, Paul. That's really choice - Now Andy copy something nice for a change.....The flow of cards is coming in pretty slow these days. At least we have been getting the unused ones back.....All you picnic goers who didn't show last year at the Midway Meeting at Havre de Grace now have a chance to redeem themselves. This year promises to be bigger and better than ever. There will be about 33 prizes for the women but of course if that many doesn't show up..well thats tough, so suit yourselves. The gals had a ball last year with Ernie as master of Bingo ceremonies. He was in his best hog calling form. There were some rumblings about collus on with all his girl friends there..... Sam Bob will have another radio boat demonstration for the city of Havre de Grace. He is going to bring out his gal friend this time. ED helped him "wear" half of his last car to Maryland last year...he is hoping he will have the opportunity to try again. The date is May 18th with a rain date of May 25th.....W3SGR recently picked up an Elmac and power supply from W3UVL - along with it came a pair of second harmonic notices from ARRL listening stations. Thats what you get for using the grong antenna Carl. The ole pi section was tuning the 40 meter antenna when you were listening on 80.....Ole fuzz head Russell is having a bout with the hospital and has been trying his best to

get a zipper installed. We hear they were trying to pick some boulders out of his hide but couldn't because it was too tough - the ole walrus. Get that carcass out, Russ, the frequency has been far too quiet.....W3CUB had a bridge party the other nite and Spencer and Nipper got higher than a kite. Boy, that Vodka must have been good.....Bills antenna did right well in the ice storm.....Our good friend W3SGR decided that hibernation was not for him - the Doc told him to give up everything which in itself was a sin - Carl did but the eye situation didn't improve so he will now be with us more actively. 'Tis good to see the ole bat out.....W3IW got a converter working on channel #4-He is a member of the "old receiver gang" now. He traded in an RCA ACT-20 transmitter for a beautiful National PB-7 receiver. Some one says-160 is quite active of late - it looks like it's too late by the looks of the latest ARRL release.....P2EAX would like to know if W3ADV is to proud to come back on AM since he went SSB---It is too late to presstime to get a report on the W3CSS vs Abington Township on his beam situation. Apparently the objection is having a 70 foot high antenna mast in the back yard. More on that later.....W3PIT is not on 10 because his vertical is horizontal....Spencer reports Every Single Minute is having about 4 showings a month...Bill W3YHV had the frontpiece done last month and get a load of the one this time...Hy gave this one to ED and he is still laughing...You know some people there are those who "talk ham radio" and then there are those who "do ham radio" - Bill is one of those doers - are there any more around like him?---The annual banquet spot has not been fixed the Conestoga, Anchorage, and Media Inn are under consideration....Field Day will be the same place as last year we will have a big blast on that next time..... All promotion on that subject will have to come out next month---FD date June 28 and 29.....W3NIP has "leased" an A54 and a Morrow JVR to the truck---there is new work in progress on the truck.....

Visitors to the last meeting: W3PSZ, W3BHF, KN3BLR, W3HHQ, W3ILZ, W3DEN, W3BJS, W3KD W3QOJ, W3GHE, KN3BLR. Boy what a gang that time lucky they came so we could hold a meeting. Must be they had an advance reading on W3VAN's hi fi (EPD) talk.

New members: W3ILZ, Dominic J. Rossi (Dom) lives in Roxborough and is with ATC in research. He is on all bands with 50 watts mobile and the same with 700 watts.

W3LEM, Edward S. Yough (Ed) lives in Willow Grove and has his own firm in Auto ignition work. He has the scoop on Leece Neville fellers, and offers to give anyone a lift who needs it. (and he means it).

W3CW, Bernard L. Elman (Bernie) lives in Phila. and specializes in mobile radio service work. He is mobile with 12 watts. Bernie has his own business up on North Broad Street.

W3FVW, Joe Grady lives in Brocmall and is a TV performer on WYUE-TV. Joe offers to assist in public relations and what more could we want with a TV star HI. Joe is mobile with 50 watts.

W3APD, Gordon Lusky lives in Havertown and is the one who leaves his car on Manoa Road. We have always wondered why we never heard from him and there you are. Gordon is an Electrician (sign him up for Field Day) and has 50 watts mobile on all bands.

Calendar for the future:

- | | |
|-----------------------|---|
| May 17, 1958 Saturday | - Armed Services Day |
| May 18, 1958 Sunday | - Midway Picnic - Havre de Grace with the Washington gang. Don't miss this one. Many prizes for the gals- gab fest for the men. Rain date the 25th. |
| June 28 and 29 | - Field Day W3AJ0 is chairman. |
| Aug. 15-16-17 | -ARRL National Convention in Washington. Reserve your room early if you expect to get any where near the place. |

Most of the information submitted last month on the "TNS" was furnished by W3JGB and W3QV, after extensive experimentation.

Quite some time ago W3JGB gave a talk at the club meeting and described an inductive spark plug suppressor. As this unit is very effective without affecting car performance, the information is being repeated here. The idea is to fabricate an RF coil onto the customary spark plug suppressor end connections so that insertion in the cables is easy. W3JGB suggests the job this way:

1. Buy Herman Smith (or equiv.) #805 suppressors.
2. Take ends off.
3. Buy PAPER base bakelite rod (Oester, Vine St.) 1/2" rod & cut 1 3/8" long.
4. Drill 5/16" hole each end.
5. Drive in ends removed from suppressor.
6. Wind 3/4" long winding of #30 enamel wire. This should resonate at 27 to 28 megs open ended. Then remove a turn at a time to resonate at 29 megs. This is done on the work bench, no connection to car wiring yet.
7. Coat with GLYPTAL #134-02.
8. Dry for 24 hours, then install. NOTE: It is best to bend female end to match car wiring before winding coil.

Although a TNS does a terrific job your own car will raise the ambient noise level, so the cleaner your own car the lower you will find the background. THE FOLLOWING CHART MAY BE OF ADDITIONAL GENERAL HELP.

Special points of importance in noise reduction in 1955 & 1956 cars - 12 vclt.

		25-50 meg.		144-174 meg.
Resistance ignition cable set	FORD	CHEV.	PLY.	ALL MAKES
Bonding braid each side engine hood	X	X	X	X
Bonding braid each side rear trunk lid	X	X	X	X
Ignition coil filter, Sprague 48P9.1 mfd	X	X	X	X
.01 disc. ceramic cond. across breaker pts.	X	X	X	X
Generator filter, Sprague 48P18 coaxial cond. .5mfd	X	X	X	only if necess.
Voltage regulator filter. Two Sprague 48P18 condensers; one on battery terminal and one on armature terminal. Field terminal by-passed with .002 disc ceramic condenser.	X	X	X	
Heat indicator transmitter unit, .01 disc. cond.	X	1956		
Reroute heat indicator wire	X			
Bonding braid front of engine to frame	X	X	X	
Bonding braid firewall to engine, coil & distrib	X	X	X	
Remove bat. ground from firewall, extend to starter motor bolt. Ground set same pt.		X		
Bonding braid exhaust tailpipes to frame	X	X		
Bonding braid air cleaner to body (wire braid) 1956		X		
Clean paint off edges of air cleaner at contact of the two shells	X	X		
Bonding braid generator to regulator frame		1955		
.25 to .5 mfd condenser on heater blower motor	X	X		
.01 disc ceramic condenser on windshield wiper motor		X		

SWAP & SHOP

FOR SALE 100 K. C. CRYSTAL CALIBRATOR USING BLILEY CRYSTAL K V 3
CABLE WIRED FOR N C 300.....\$10.00 W3YJM
TEN BUCKS

FREE FOR THE ASKING (INFO BY W3WNC)

- 1 - ZENITH 6 TUBE SUPERHET RECEIVER - VINTAGE OF 1940 OR THEREABOUTS
 - 1 - R C A 6 TUBE RECEIVER " " 1948 " "
 - 1 - R C A 5 TUBE RECEIVER " " 1950 " "
 - 1 - T V CHASIS (CORRECTION CHASSIS) - NO TUNER OR POWER SUPPLY
- FOR ANY OF THE ABOVE (FREE) CONTACT KENNETH O. BLAIR
1005 COPLEY PLACE N. HADDONFIELD, N. J. PHONE LI 7-4115

FOR SALE 2 METER - GONSET CONVERTER.....\$20.00 W3CDY

FOR SALE LINK A. M. TRANSCEIVER - 20 WATTS INPUT - COMPLETE WITH POWER SUPPLY
30 - 45 M. C. BUT SHOULD BE ABLE TO BE USED ON THE 10 METER BAND
CABINET 19" PANEL - 26 3/4 " HIGH - GOOD CONDITION - NEEDS CRYSTALS
AND A FEW TUBES - - MANUAL INCLUDED\$35.00 W3CDY

For Sale meter
Buy of the year-\$ 50.00- 5 EL-10/Beam copied from W6SAI Handbook, complete
with all elements and brackets, etc. never in the air. W3HFD

For Sale
SCR- 522-xmtr-rcvr and pwr supply\$ 25.00
B.C. 221-F Freq. meter- built in power supply\$ 50.00
Gear reduction unit-approx. 9:1 who wants it.....\$ 5.00 W3HFD

For Sale
PE-103 Brand new-with connector\$ 20.00 W3PKY
Heathkit TV alignment generator-excellent condition
Model T S- 1 A\$ 10.00 W3PKY

FIRST CLASS MAIL

THE BLIND
A Full-time Mobile Radio
Club Publication
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